WorldPenScan

User Manual

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There may be newer versions of the software that was released during or after this product's manufacturing date. If the content in the User Manual differs from the on-screen interface, please follow the instructions on the on-screen interface instead of the User Manual.

Chapter 1 Product Introduction

1.1 Introduction

WorldPenScan, the handheld scan device with the highest accuracy rate on the market. The WorldPenScan is a perfect scan tool for students, journalists, business people and anyone who needs to get words, sentences and printed materials for immediate editing with no wait.

1.2 Features

• The Best Scan and Translation Device

Connect to the computer through the USB port and is bundled with 3-in-1 functionality-scanning, recognition and translation.

• Minimize Your Typing Efforts

The WorldPenScan can scan over 800 words per minute into your application software such as Words, Excel, Outlook, and text editors with high accuracy rate.

• Recognize 8 Languages

The WorldPenScan can scan and recognize English, French, German, Italian, Spanish, Japanese, Korean, Simplified Chinese, and Traditional Chinese languages.

• A good Language translation and Learning Tool

By scanning words or sentences directly to other language translation websites, you will find that WorldPenScan is a wonderful friend in translating and learning language aspects.

• Ergonomic Design

The ergonomic and light design could fit all left and right-handed users and make you hold with comfort even long time scan.

• Babylon Dictionary and Translation Software (WorldPenScan Pro Only)

WorldPenScan Pro co-works with Babylon, the world leading provider of quick online translation, and provides:

- more than 1400 dictionaries in more than 75 languages
- more than 800 language pairs to choose from
- simple one-click translation in any application
- web page and document translation (Word, PDF, Text)

- **Support OCR-A/B banking fonts**

The business mode supports OCR-A/B and MS Gothic fonts and thus can scan and rec ognize numbers or characters on invoices, checks, bills, coupons, and ect.

Chapter 2 Getting Started

2.1 System Requirements

· Pentium II 300 CPU or above

· 256MB of RAM

· 250MB of available hard disk space

· Windows 7/Vista/XP OS

. CD-ROM Drive

· USB port

2.2 Hardware Specification

· Dimensions: 130mm x 37mm x 18.5mm

· Weight: 30g (excluding USB Adapter)

· Interface: USB 2.0

· Scanning speed: 15 cm/sec.

· Character size: 5~22 pt

Function button:

While scanning text or images, clicking the function button will function as the **[Enter]** key on the keyboard. In the **[Word Scan]** mode, the function key can be used to send the next word.

Note: The hardware pictures in the manual are for reference. The color of the hardware may be different due to the version differences.

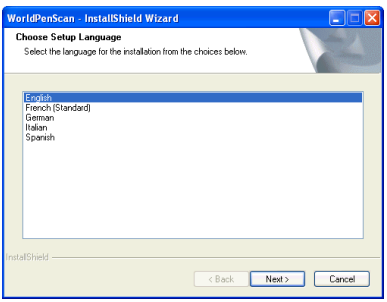
2.3 Software Installation

1. Insert the WorldPenScan setup CD into the CD-ROM drive. The installation program will start automatically. Click **[WorldPenScan]** to install WorldPen-Scan.

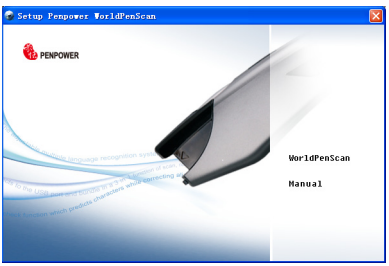
Tip:

WorldPenScan Pro provides you with the Babylon online translation service . Please insert the Babylon disk to install the application .

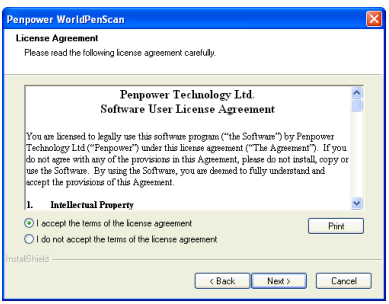
2. Please select an installation language and click **[Next]** to install.



3. Click **[Next]** to install.



4. Please read the License Agreement, select **[I accept the terms of the license agreement]** and click **[Next]** to continue.


Penpower WorldPenScan
License Agreement
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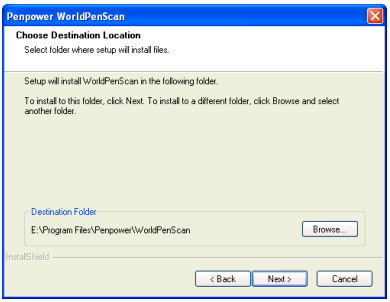
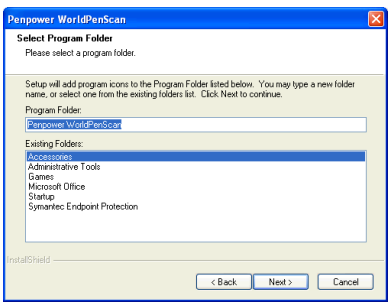
1. Intellectual Property
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel

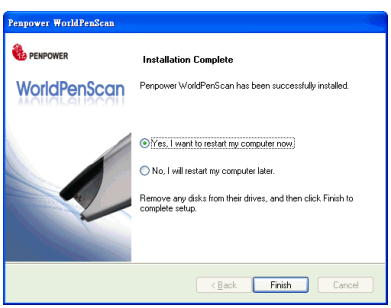
5. Select a destination folder to install the software to. Click **[Next]** to continue.


Penpower WorldPenScan
Choose Destination Location
Select folder where setup will install files.
Setup will install WorldPenScan in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
E:\Program Files\Penpower\WorldPenScan
Browse...
InstallShield
< Back
Next >
Cancel

6. Choose the program folder that you want to install WorldPenScan to. If left as default, the software will create a new folder for you. Click **[Next]** to continue.



7. When the installation is finished, please restart your computer. Click **[Finish]** to restart your computer.


Penpower WorldPenScan
PENPOWER
WorldPenScan
Installation Complete
Penpower WorldPenScan has been successfully installed.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

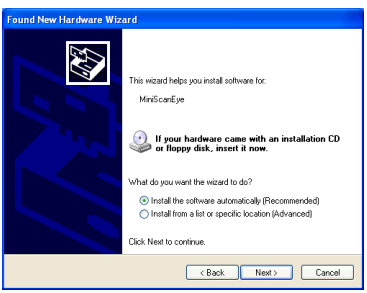
2.4 Driver Installation

1. Plug in the WorldPenScan pen into your computer's USB port and a window will appear. Select **[No, not this time]** and click **Next** to continue.

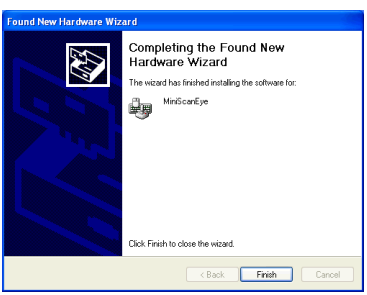
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

Note: Some computers may shut down accidentally after connection. This is due to the lack of power to support several USB devices. To avoid this problem, connect your WorldPenScan and other USB devices to an extra-powered USB hub.

2. Select **[Install the software automatically]** and click **[Next]** to continue.


Found New Hardware Wizard
This wizard helps you install software for:
MiniScanEye
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

3. Click **[Finish]** to end the installation.



Note: When connecting the scan pen to another USB port, follow these same steps to install again.

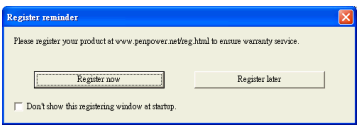
Chapter 3 Scanning and Settings

3.1 Running Penpower WorldPenScan

Go to **[Start/All Programs/Penpower WorldPenScan/Penpower WorldPenScan]** or double-click the shortcut on the desktop to start the **WorldPenScan** toolbar.

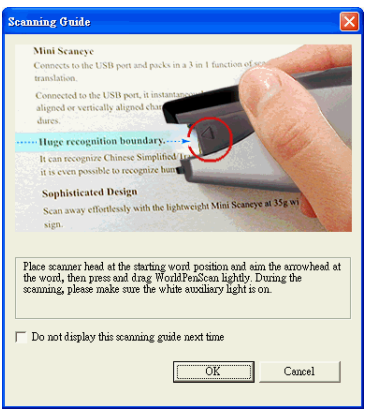
When running the **WorldPenScan** for the first time, a **Registration Reminder** will appear. Please click on **Register now** to register and receive the warranty service. You can also click **Register later** to close the reminder. When you need to register, click the **Tools** button and select **About** from the toolbar and then click on **Registration**.

***Tip: If you do not need to be reminded again, you can check* [Don't show this registering window at startup].**

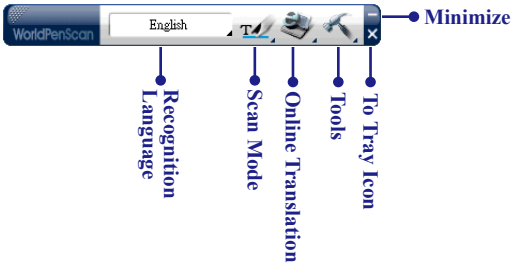

Register reminder
Please register your product at www.penpower.net/reg.html to ensure warranty service.
Register now
Register later
Don't show this registering window at startup.

A **Scanning Guide** will appear after the registration reminder. Use the **WorldPenScan** as the guide directs.

***Note: If you would not like to read the message again, you can check* [Do not display this scanning guide next time], *and click* [OK].**


Scanning Guide
Mini Scaneye
Huge recognition boundary.
Sophisticated Design
Place scanner head at the starting word position and aim the arrowhead at the word, then press and drag WorldPenScan lightly. During the scanning, please make sure the white auxiliary light is on.
Do not display this scanning guide next time
OK
Cancel

3.2 WorldPenScan Toolbar



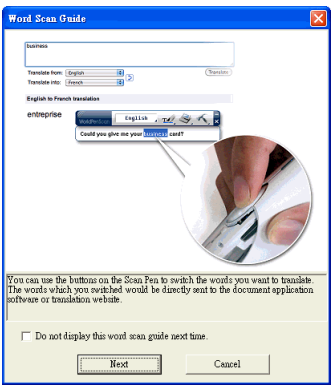
1. **Recognition Language:** The **WorldPenScan** can recognize English, French, German, Italian, Spanish, Korean, Japanese, Simplified Chinese and Traditional Chinese text. Click to select the language you would like to scan.

Note: The **Recognition Language** *must match the language of the content for optimal accuracy.*

2. **Scan Mode:** Provide **[Sentence Scan]** and **[Word Scan]** modes.

- **Sentence Scan:** [**Sentence Scan**] mode is the default scan mode for scanning an article or a sentence directly. The scanned article or sentence will be recognized into text and sent to your computer. Please refer to 3.3.1 Sentence Scan for more detailed information.

- **Word Scan:** When you want to scan a word for checking the meaning or translation in Babylon or other online dictionary, you can click the [**Scan Mode]** button to select **[Word Scan]** mode, and scan a word or a sentence, and then select a word to check the meaning or translation. Please refer to 3.3.2 Word Scan for detailed information.


Word Scan Guide
business
Translate from: English
Translate into: French
Translate
English to French translation
entreprise
You can use the buttons on the Scan Pen to switch the words you want to translate. The words which you switched would be directly sent to the document application software or translation website.
Do not display this word scan guide next time.
Next
Cancel

Tip: When first time switching to the Word Scan mode, the Word Scan Guide window will appear to guide you how to use the Word Scan mode.

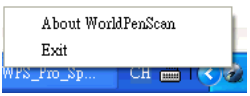
3. **Online Translation:** Provide a translation function in which you can assign a translation website or Babylon software to translate the scanned words. Please refer to 3.4 Online Translation for more detailed information.

4. **Tools:** Provide Image Scan, Original Image, Settings, Help and About.

   - **Image Scan:** Select the **[Image Scan]** option, the scanned image or word will be sent to your computer in image format. Please refer to 3.3.3 Image Scan for more detailed information.
   - **Original Image:** display the scanned image. See 3.4 Displaying Original Image.
   - **Settings:** provide General, Translation Online settings. See 3.5 Settings for more detailed information.

5. **Minimize :** Click to minimize the toolbar to Taskbar.

6. **Minimize to Tray Icon :** Click minimize the toolbar into a tray icon. Double-click the tray icon on the bottom-right of the screen to open the toolbar. Double-click to open the function menu.



3.3 Scan Mode

3.3.1 Sentence Scan

1. Select the **[Sentence Scan]** mode from the **[Scan Mode]**.
2. Select the language of the text that you desire to scan from **[Recognition Language]**.
3. Open any word processor, for example Microsoft Word or WordPad, and then click the location where you desire to input.
4. Place a document on a flat surface and place the scan tip at the front of your desired scan area. Aim the scan tip arrow at the center of the desired scan area, and then press and drag the **WorldPenScan** pen in a straight line across the area like a highlighter. During the scanning, please make sure the white auxiliary light is on.
5. Stop applying pressure to the pen to stop scanning. The scanned text is displayed in your word processor immediately.

Note: Penpower* WorldPenScan *is able to scan and recognize one row of characters at a time. Please place the scan tip arrow at the center of the line.

3.3.2 Word Scan

1. Select the language of the text that you desire to scan from the **[Recognition Language]**.
2. Click the **[Scan Mode]** button to select the **[Word Scan]** mode, an extension window will appear under the toolbar.
3. Open any word processor, for example Microsoft Word or WordPad and click the location where you can input, or click the **[Online Translation]** button to open Babylon or other dictionary, .
4. Place a document on a flat surface and place the scan tip in front of the word you desire to check. Aim the arrow at the center of the desired word, then press and drag the **WorldPenScan** pen in a straight line across the word. During the scanning, please make sure the white auxiliary light is on.
5. Stop applying pressure to the pen to stop scanning. The scanned word and meaning or translation is displayed in the Babylon or web dictionary.
6. If you scan more than one word, you can press the function button on the **WorldPenScan** pen to choose next recognizable word or use your mouse to highlight a word from the extension window, the selected word will be sent to the **cursor location**. So you can literally check the meaning or translation of your choice.

3.3.3 Image Scan

1. Click **[Tools]** button and select the **[Image Scan]** option from the drop-down menu.
2. Open a word processor that is able to input images, for example Microsoft Word. Click the location where you would like to input display the scanned images.
3. Place the desired document on the a flat surface and place the scan tip at the starting word or picture. Aim the scan tip arrow at the center of the scan area, and then press and drag the scan pen in a straight line like a highlighter. The white auxiliary light from the scan tip indicates the pen is scanning.
4. Stop applying pressure to the pen to stop scanning. The scanned image is displayed in your word processor immediately.

3.3.4 Business Mode

You can scan invoices, checks, bills, postal codes, coupon numbers or tracing numbers etc., which may use the OCR A and OCR B fonts as the samples below:

• OCR A: 0123ABCabc

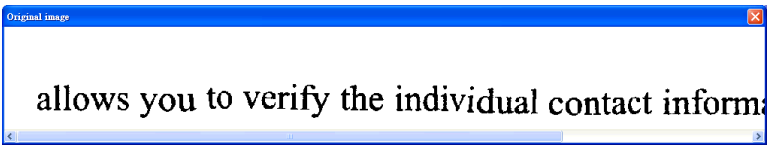
• OCR B: 0 1 2 3 A B C a b c

In order to have higher recognition accuracy, you may use the **[Business Mode]** to recognize these fonts. Please follow these steps.

1. Click **[Tools]** button and select the **[Business Mode]** option from the drop-down menu.
2. Open your application or any word processor, for example Microsoft Word. Click the location where you would like to input the scanned text or numbers.
3. Place a document on a flat surface and place the scan tip at the front of your desired scan area. Aim the scan tip arrow at the center of the desired scan area, and then press and drag he **WorldPenScan** pen in a straight line across the area like a highlighter. During the scanning, please make sure the white auxiliary light is on.
4. Stop applying pressure to the pen to stop scanning. The scanned text or numbers are displayed in your application or word processor immediately.

3.4 Original Image

Click **[Tools]** button and select the **[Original Image]** option from the drop-down menu to open the **[Original Image]** window. After scanning, the **[Original Image]** window displays the scanned image. You can check the scanned image to compare with the original text. This can help you improving your scan technique for more accurate recognition results.

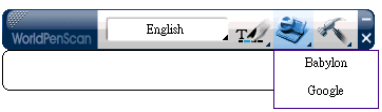


Tip: You can right click on the original image to save the image to .bmp or .pcx file.

3.5 Online Translation

WorldPenScan provides Online Translation function for you to translate words or sentences.

1. Select the **[Recognition Language]** which matches the scanning words.
2. Click **[Online Translation]** and then select the **[Babylon]** or any other online translation Website.



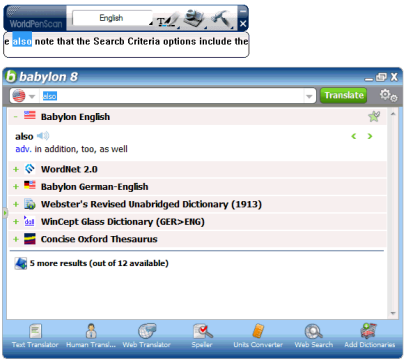
Note: **Babylon** *option only appears in the WorldPenScan Pro version and when the Babylon online translation is installed.*

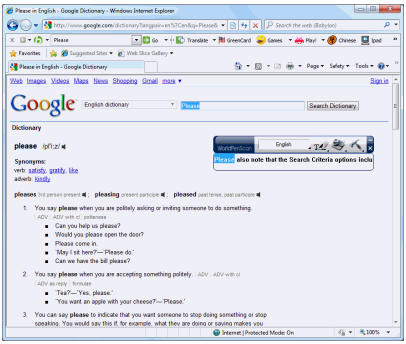
Note: Please connect to internet before using the Online Translation function.

Tip: You can organize Website Links from the Translation Settings function. Please refer to 3.6.2 Online Translation Settings for more detailed information.

3. **Babylon** software or online translation Website will be opened, and **WorldPenScan** will be switched to the **[Word Scan]** mode automatically.
4. Place a document on a flat surface and place the scan tip at the starting word. Aim the scan tip arrow at the center of the desired area, the press and drag the scan pen in a straight line. The white auxiliary light from the Scan Tip indicates the pen is scanning.

5. The translation result of the first recognized word displays in the **Babylon** software or web browser.





Note: If the Website does not support the enter function, please manually click the translate button on the website with your mouse.

Tip: Please refer to the Babylon help for operating the Babylon software.

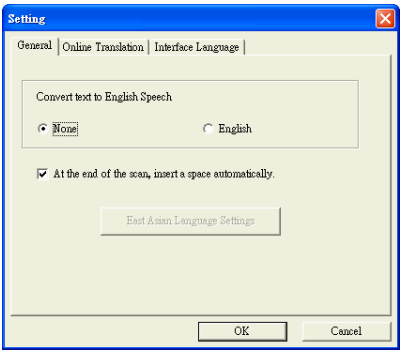
6. If you scan more than one word, you can press the **[Function button]** on the scan pen to see the translation of the next recognizable word. You can also use your mouse to highlight a word from the extension window, the selected word will be sent to the cursor location for translating.

Note: If the Website does not support enter function, it also cannot support hardware button. Please scan next word instead.

3.6 Settings

3.6.1 General Settings

Click **[Tools]** button and select **[Settings]** from the drop-down menu. You can select the English Speech, At the end of the scan, add a space and East asian kanguage settings.



Convert Text to English Speech

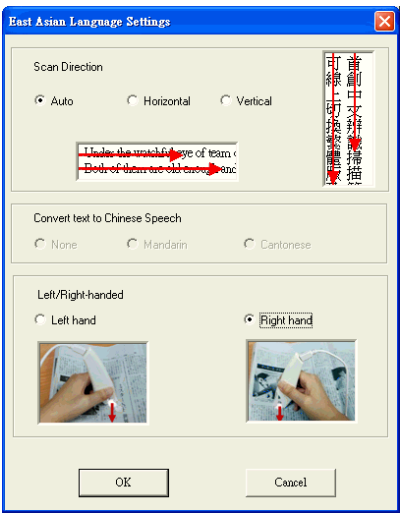
When choosing English as the recognition language, you can choose to pronounce the recognized English word.

At the End of the Scan, insert a Space

When choosing English, French, German, Italian or Spanish as the recognition language, you can check the **[At the end of the scan, insert a space]** check box. While scanning text, the system will automatically add a space at the end of the scan.

East Asian Language Settings

When choosing Traditional Chinese, Simplified Chinese, Japanese or Korean as the recognition language, you can click **[East Asian Language Settings]** button to select scan direction, Chinese speech and left/right-handed.



Scan Direction

WorldPenScan must be used to scan the characters in consistent direction, any changes to the direction will cause inaccurate recognition results. According to the document you want to scan to choose horizontal or vertical direction manually.

Scanning Horizontal Text

When scanning horizontal text, you can choose the **[Horizontal]** option. Place the pen on the text or image, move the pen left-to-right or right-to-left when scanning.

Left hand:
Scan from right-to-left or from left-to-right

Right hand:
Scan from left-to-right or from right-to-left

Note: Penpower WorldPenScan is able to scan and recognize one row of characters at a time. Please place the pen in such a manner so that the Scan Tip arrow is at the center of the line of text.

Scanning Vertically Aligned Text

When scanning vertically aligned text, you can choose **[Vertically]** and then select **[Left-hand]** or **[Right-hand]**. You may scan the text in a straight top-to-bottom fashion. Align the Scan Tip arrow on your pen to the center of the characters.

Left Hand

Right Hand

Note: The Left/Right-handed option only available when you select the vertical direction.

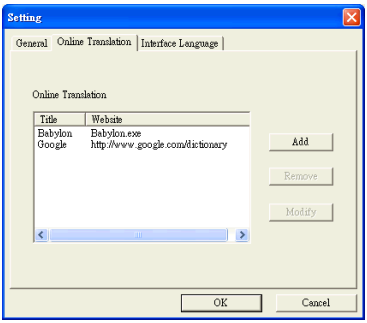
Convert Text to Chinese Speech

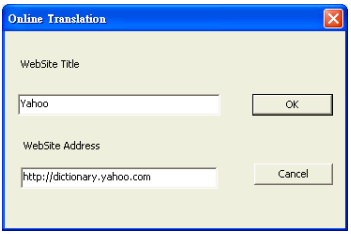
When scanning Chinese text, you can choose to pronounce the recognized word in Mandarin or Cantonese.

3.6.2 Online Translation Settings

Translation Website Settings lets you add, remove, and modify online translation websites. The websites will be shown in the **[Online Translation]** button the toolbar.

Click the **[Add]** button to open the Translation Website Setup window. Input the translation website name and its URL address, then click **[OK]**. You can also modify or remove a website by clicking the **[Modify]** button or the **[Remove]** button.



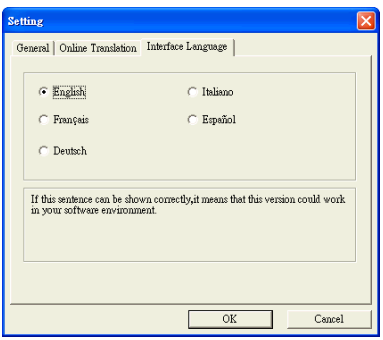


Note: **Babylon** *only appears in the WorldPenScan Pro version and when the Babylon software is installed.*

3.6.3 Interface Language Settings

The **Interface Language Settings** option allows you to choose to display the interface in English, French, German, Italian or Spanish. After choosing a language, check the description area underneath.

If the description sentence does not display properly, which means your Windows OS does not support the given language display. Please choose another language.



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